

Ekoplastik System**Catalogue of products**

- made from granulate of leading European producers
- unique 3 layer pipe reinforced with basalt fiber
- new materials of 4. generation – PP-RCT
- high pressure and temperature resistance

System Ekoplastik is plastic piping system used for hot and cold water distribution in buildings, floor and central heating and airconditioning. Extended warranty period 10 years for standard products (I., II.), 2 years for nonstandard products (III.)

Standard Products for Potable (Cold) and Hot Water and for Heating (I.)

Pipe S 5 / PN 10 / SDR 11
Pipe S 3,2 / PN 16 / SDR 7,4
Pipe S 2,5 / PN 20 / SDR 6



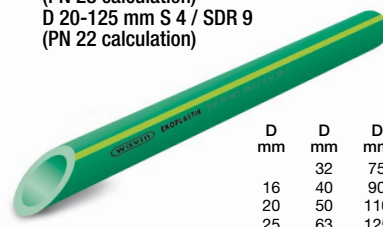
D mm	D mm	D mm
16	32	75
20	40	90
25	50	110
	63	125

Pipe S 2,5 / PN 20 / SDR 6
– 3 m length



D mm
20
25
32

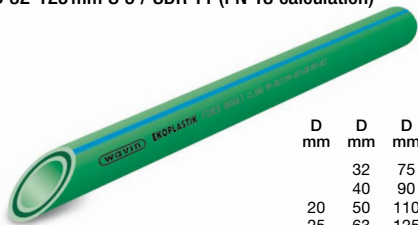
Pipe EVO D 16 mm S 3,2 / SDR 7,4
(PN 28 calculation)
D 20-125 mm S 4 / SDR 9
(PN 22 calculation)



D mm	D mm	D mm
16	32	75
20	40	90
25	50	110
	63	125

Pipe FIBER BASALT CLIMA

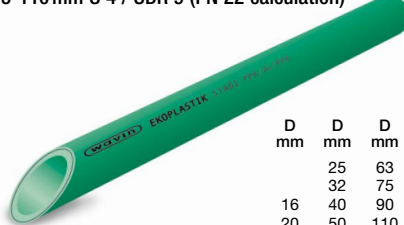
D 20-25 mm S 4 / SDR 9 (PN 22 calculation)
D 32-125 mm S 5 / SDR 11 (PN 18 calculation)



D mm	D mm	D mm
32	75	
40	90	
20	50	110
25	63	125

Pipe STABI PLUS

D 16-63 mm S 3,2 / SDR 7,4 (PN 28 calculation)
D 75-110 mm S 4 / SDR 9 (PN 22 calculation)



D mm	D mm	D mm
25	63	
32	75	
16	40	90
20	50	110

Pipe FIBER BASALT PLUS

D 20-63 mm S 3,2 / SDR 7,4 (PN 28 calculation)
D 75-125 mm S 4 / SDR 9 (PN 22 calculation)



D mm	D mm	D mm
32	75	
40	90	
20	50	110
25	63	125

Pipe in coil



D mm
16
20

Elbow 90°



D mm
16
20
25
32
40
50
63
75
90
110
125

Elbow 90°
internal / external



D mm
16
20
25
32

Elbow 45°



D mm
16
20
25
32
40
50
63
75
90
110

Elbow 45°
internal / external



Tee



D mm
16
20
25

Reducing tee



D mm
16
20
25
32
40
50
63
75
90
110
125

D mm
20/16
25/20
32/20
32/25
40/20
40/25
40/32
50/25
50/32
50/40
63/25
63/32
63/40
63/50

Reducing tee



D mm
25/20/20
32/20/20
32/20/25
32/25/25

Cross piece



D mm
20
25
32
40

Bend



D mm
20
25

Three-way elbow



D mm
20
25
32
40

Socket



D mm
16
20
25
32
40
50
63
75
90
110
125

Standard Products for Potable (Cold) and Hot Water and for Heating (I.)

Reducer



D
mm
25/20
32/20
32/25

Reducer internal / external



D mm	D mm
20/16	63/32
25/20	63/40
32/20	63/50
32/25	75/40
40/20	75/50
40/25	75/63
40/32	90/63
50/25	90/75
50/32	110/75
50/40	110/90
63/25	125/110

Blanking plug



D
mm
16
20
25
32
40
50
63
75
90
110

Blanking plug internal



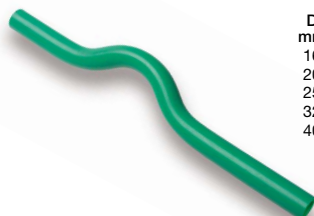
D
mm
20

Crossover with socket



D
mm
20
25

Crossover S 2,5 / PN 20 / SDR 6



D
mm
16
20
25
32
40

Compensation pipe S 2,5 / PN 20 / SDR 6



D
mm
16
20
25
32
40

Reducing sleeve with metal female thread



D
mm
16 / 1/2"
20 / 1/2"
20 / 3/4"
25 / 1/2"
25 / 3/4"
32 / 3/4"
32 / 1"
40 / 5/4"
50 / 6/4"
63 / 2"

Reducing sleeve with metal male thread



D
mm
16 / 1/2"
20 / 1/2"
20 / 3/4"
25 / 1/2"
25 / 3/4"
32 / 1"
32 / 1"
40 / 5/4"
50 / 6/4"
63 / 2"
75 / 2 1/2"
90 / 3"

Metal reducer with cap nut



D
mm
16 / 1/2"
16 / 3/4"
20 / 1/2"
20 / 3/4"
20 / 1"
25 / 3/4"
25 / 1"
32 / 5/4"
20/PMD

Elbow 90° with metal female thread



D
mm
16 / 1/2"
20 / 1/2"
20 / 3/4"
25 / 1/2"
25 / 3/4"
32 / 1"

Elbow 90° with metal male thread



D
mm
16 / 1/2"
20 / 1/2"
20 / 3/4"
25 / 1/2"
25 / 3/4"
32 / 1"

Socket with drain valve internal / external



D
mm
20
25
32

Elbow 90° for wall mounting



D
mm
16 / 1/2"
20 / 1/2"
25 / 1/2"
25 / 3/4"

Elbow 90° for wall mounting internal / external



D
mm
20 / 1/2"

Elbow 90° for wall mounting male thread



D
mm
20 / 1/2"

Wall elbows with holder



D
mm
20

Holder for wall elbows



D
mm
20

Tee with tap connector



D
mm
20 / 1/2"
25 / 1/2"

Wall mounting group with tap connectors



D
mm
20 / 1/2"
25 / 1/2"

Standard Products for Potable (Cold) and Hot Water and for Heating (l.)
Tee with metal female thread


D mm
20 / 1/2"
25 / 1/2"
25 / 3/4"
32 / 1/2"
32 / 3/4"
32 / 1"

Tee with metal male thread


D mm
20 / 1/2"
20 / 3/4"
25 / 1/2"
25 / 3/4"
32 / 3/4"
32 / 1"

All plastic weld in saddle


D mm
63/32
75/32
90/32
110/32
110/40

Weld in saddle with metal female thread


D mm
63 / 3/4"
75 / 3/4"
90 / 3/4"

Weld in saddle with metal male thread


D mm
63 / 3/4"
75 / 3/4"
90 / 3/4"

Filter


D mm
20
25
32

Back flow valve


D mm
20
25
32

Straight - way valve


D mm
20
25
32
40
50
63

Ball tap plastic


D mm
16
20
25
32
40
50
63

Shut off valve straight with chrome cover


D mm
20
25

Shut off valve straight with chrome handle


D mm
20
25

Valve extension D 20, 25 mm


D mm
20
25

Shut off ball tap with chrome cover


D mm
20
25

Coupling with nut


D mm
20
25
32
40

Screw union - female


D mm
20
25
32

Screw union - male


D mm
20
25
32

Screw union - female


D mm
20
25

Screw union - male


D mm
20
25

Flange adaptor


D mm
40
50
63
75
90
110
125

Flange


D mm
40/DN32
50/DN40
63/DN50
75/DN65
90/DN80
110/DN100
125/DN150

Standard Products for Potable (Cold) and Hot Water and for Heating (I.)

Electro - fusion socket



D
mm
20
25
32
40
50
63
75
90
110

Complete Offer of Fittings for Gypsum Wall Mounting(I.)

Reducing sleeve for gypsum wall mounting



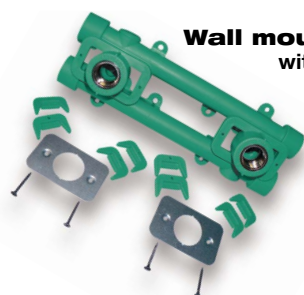
D
mm
20 / 1/2"

Elbow for gypsum wall mounting



D
mm
20 / 1/2"

Complete Offer of Fittings for Gypsum Wall Mounting(I.)



Wall mounting group with tap connectors for gypsum wall

D
mm
20 / 1/2"

Standard Products only for Potable (Cold) Water(II.)

Straight - way valve with drain valve



D
mm
right
40
50
63

left
40
50
63

Accessories (III.)

Assembly plate for elbow 90 ° for wall mounting



Metal sleeve with wood screw



D
mm
20-25
32-40
50-63

Metal sleeve (screw / nut)



D
mm
48-53
72-78
87-92
102-116

Plastic clip



D
mm
16
20
25
32
40
50
63
75
90
110

Plastic double clip



D
mm
2x20
2x25

Welding machine electronic RSP 2a (for non-paired adapter)



800 W

Welding machine electronic RSP 2aPm (for paired adapter)



800 W

Welding set with adapters 16 – 63 mm



RSP 2a
800 W
adapters
Ø 16-63 mm

RSP 2aPm
800 W
adapters
Ø 16-63 mm

Welding set with adapters 20-32 mm



RSP 2a
800 W
adapters
Ø 20-32 mm

RSP 2aPm
800 W
adapters
Ø 20-32 mm

Repairing set



Repairing stakes



D
mm
12

Electrofusion welding machine – UNIVERSAL S 315A



max.
2470 W

Accessories (III.)

Adapter paired



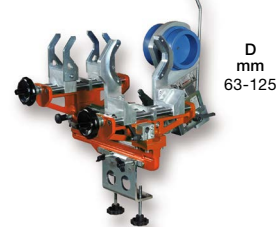
Adapter non-paired



Adapter for weld in saddle / paired



Assembly jig MP-125



Welding machine electronic PRISMA 125



Contact thermometer „DT” meter



Tightening spanner with band



Pipe cutter - shear (PROFI)



Pipe cutter - shear (STANDARD)



Pipe cutter - shear (PROFI M2)



Pipe cutter



STABI pipe shaver



Shavers to drill machine for STABI pipes



Drill for weld in saddle



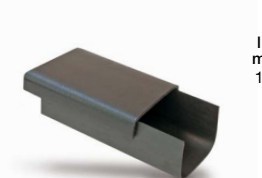
Galvanized trough



Plastic trough



Trough cover plastic



Plug - short / long



Mastic sealant - SISEAL



Sealing teflon fibre



Designation of pipes S (SDR) instead of PN

Designation of pipes S (SDR) instead of PN In accordance with the ČSN EN ISO15874 and DIN 8077 standards, it is necessary to designate the pipes as "S" or „SDR“ instead of "PN".

$$\text{SDR} = 2S+1$$

$$\text{SDR} \approx D/t$$

Legend:

D = outside diameter

t = the wall thickness

The "PN" designation indicates the permissive operating pressure in bar for maximum temperature 20 °C and service life of 50 years

- For the lowest design coefficient according to "PN", the standards ČSN EN ISO 15874 and DIN 8077 no longer specify the pipe classification.
- We designate the PPR tubes as "PN" for historical reasons (it used to be the former designation for the pressurised product range) although the values no longer correspond to the definition above.
- The PP-RCT is a new type of material and the "PN" designation has not been implemented.
- The operating parameters of the pipes are specified in the designation on the tubes and in the Assembly instructions.

The catalogue states the "PN" values for the pipes made of PP-RCT for easier orientation (the "PN" formula as specified in the standard was used in the calculation).



Major areas of application of individual pipe

PPR PN10 Ø 20-125 mm	PPR PN16 Ø 16-125 mm	PPR PN20 Ø 16-125 mm	EVO Ø 16-125 mm	FIBER BASALT CLIMA Ø 20-125 mm	STABI PLUS Ø 16-110 mm	FIBER BASALT PLUS Ø 20-125 mm
 ●	●	●	●	●	●	●
 ●	●	●	●	●	●	●
 ●		●	●		●	●
 ●					●	●

Ekoplastik System

Catalogue of products



WAVIN Ekoplastik s.r.o.:

- ▲ the biggest producer of plastic piping systems in Central Europe
- ▲ established quality products in more than 50 countries
- ▲ member of WAVIN group
- ▲ innovative technology

WAVIN GROUP

- ▲ the biggest producer of plastic piping systems in Europe
- ▲ turnover of approximately EUR 1.2 billion
- ▲ forty manufacturing sites in 25 countries



Wavin Ekoplastik provides effective solutions for essential needs of daily life: safe distribution of drinking water; sustainable management of rainwater and waste water; energy-efficient heating and cooling for buildings. Wavin's European leadership, local presence, commitment to innovation and technical support, all benefit our customers. We consistently achieve the highest sustainability standards and ensure total reliability of supply to support our customers to achieve their objectives.

